



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/079,670	02/20/2002	Patrick W. Bixenman	68.0265	9313

7590 01/20/2004

Jeffrey E. Griffin
Schlumberger Technology Corporation
Schlumberger Reservoir Completions
14910 Airline Road, P.O. Box 1590
Rosharon, TX 77583-1590

EXAMINER

DANG, HOANG C

ART UNIT	PAPER NUMBER
----------	--------------

3672

DATE MAILED: 01/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/079,670

Applicant(s)

BIXENMAN ET AL.

Examiner

Hoang Dang

Art Unit

3672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-45 and 48-64 is/are pending in the application.
- 4a) Of the above claim(s) 11-13, 23-43 and 54-64 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-10, 14-22, 44, 45 and 48-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 11-13, 23-43 and 54-64 are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

2. Claims 20, 2-4, 7-10, 14-19, 21, 22, 45, 48-50 and 52 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Castano-Mears et al (US 6,457,518) (see Figure 7, column 7, lines 45-67).

Upon reconsideration, the "second portion" defined by connector 72 along which one or more lines 72 extend from one end to the other on the screen shown in Figures 5-7 of Castano-Mears et al is "arcuate" as recited claim 20 and "helical" as called for in claim 19.

As for claim 45-50 and 52, contrary to applicant's argument, Castano-Mears et al clearly disclose both a control line and a side conduit along the second portion (see column 7, lines 55-61).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 5, 6, 51 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Castano-Mears et al '518 in view of Tubel et al (US 6,281,489) or Perales (US 5,163,321).

Art Unit: 3672

Castano-Mears et al do not disclose the use of the fiber optic cable (column 7, line 59) to sense temperature. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use such a fiber optic cable to monitor downhole temperatures as evidenced by Tubel et al (see the abstract and column 15, lines 21-26) or Perales (see the abstract)

5. Claim 44 is rejected under 35 U.S.C. 103(a) as being unpatentable over Castano-Mears et al '518.

Castano-Mears et al do not disclose how the filter media wraps 62 and connector 72 are arranged on the base pipe. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to filter media wraps 66 and connector 72 of Figure 7 on base pipe 38 having helically arranged openings 46 shown in Figures 3A-3B such that the connector 72 falls between two adjacent helically arranged rows of openings 46 to avoid blocking these openings, thereby maintaining maximum flow through the screen.

Specification

6. **The disclosure is objected to because of the following informalities: The related applications recited on page 1 should be updated.**

Appropriate correction is required.

Drawings

7. **The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "70" on**

Art Unit: 3672

page 10, lines 11 and 13; "82" and "84" on page 12, line 3. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Conclusion

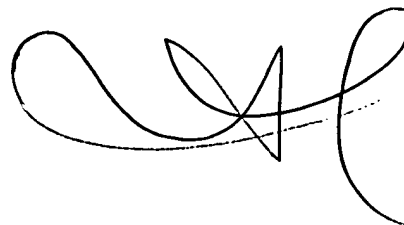
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang Dang whose telephone number is 703-308-2149. The examiner can normally be reached on 9:15-5:45 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Bagnell can be reached on 703-308-2151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-2168.

**Hoang Dang
Primary Examiner
Art Unit 3672**

10079670.2non
January 15, 2004

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke, positioned below the printed name of the examiner.